



National Disease Surveillance  
& Response (NDSR)

## Weekly Epidemiological Report-15<sup>th</sup>

Date: 07 to 13 April 2019

### Summary:

- Out of 649 functional Surveillance sentinel sites, 629(97%) have submitted reports this week.
- Out of a total of 555,741 new consultations, 181,457(32.7%) were due to Surveillance targeted diseases.
- Main causes of consultations this week were ARI (Cough & Cold, 109,418 cases, 19.7% out of total new consultations and Pneumonia, 20,552 cases, 3.7% out of total new consultations) and Acute Diarrheal Diseases, 48,540 cases, 8.8% out of total new consultations.
- A total of 263 deaths were reported this week, of which 34 were due to Surveillance targeted diseases, which includes 24 Pneumonia deaths, 04 Pregnancy related deaths reported from Zabul, Nayebed Aminullah and Herat 650 bed sentinel sites, 03 Meningitis deaths, 02 Acute Viral Hepatitis deaths and 01 Acute Watery Diarrhea death.
- Total of 02 outbreaks reported this week; of which one was CCHF outbreak reported from Kapisa province and one Chickenpox outbreak reported from Nimroz province.

Figure 1: Surveillance/NDSR Sentinel Sites with GPS location by type of Health Facility

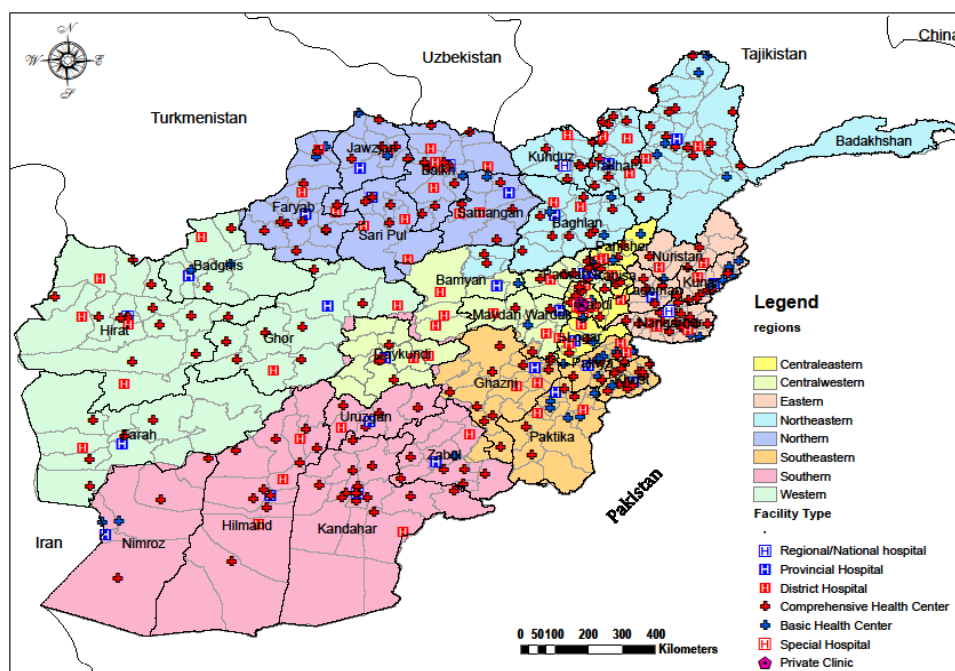


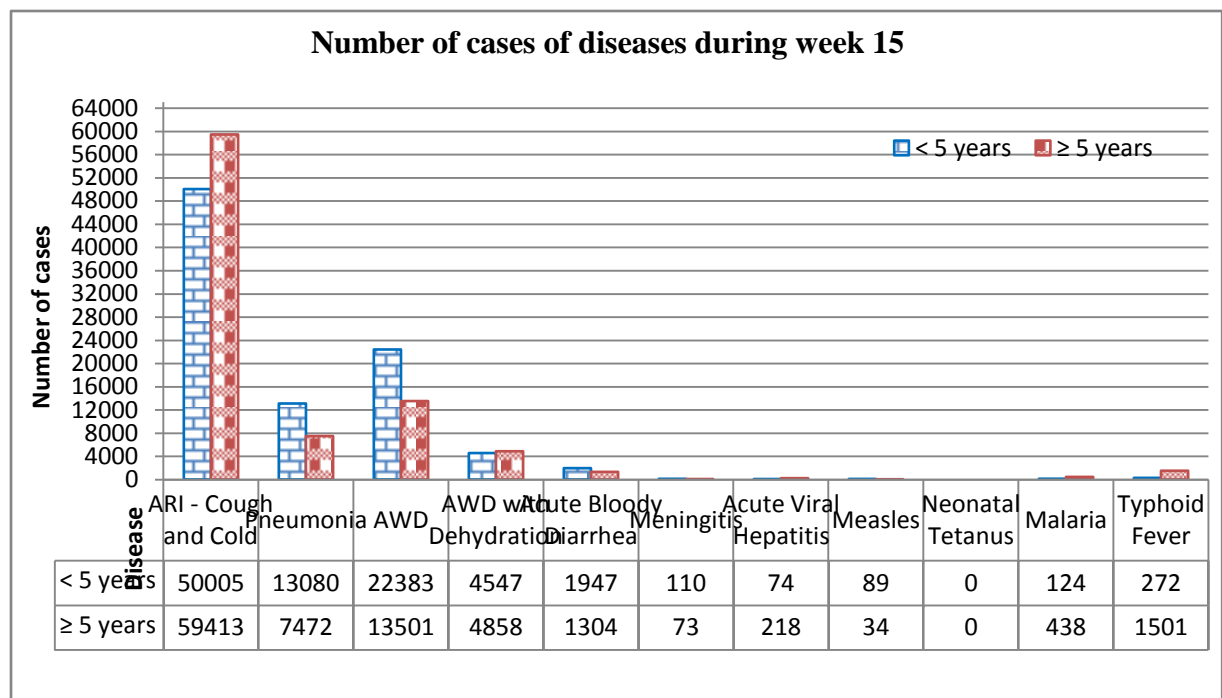
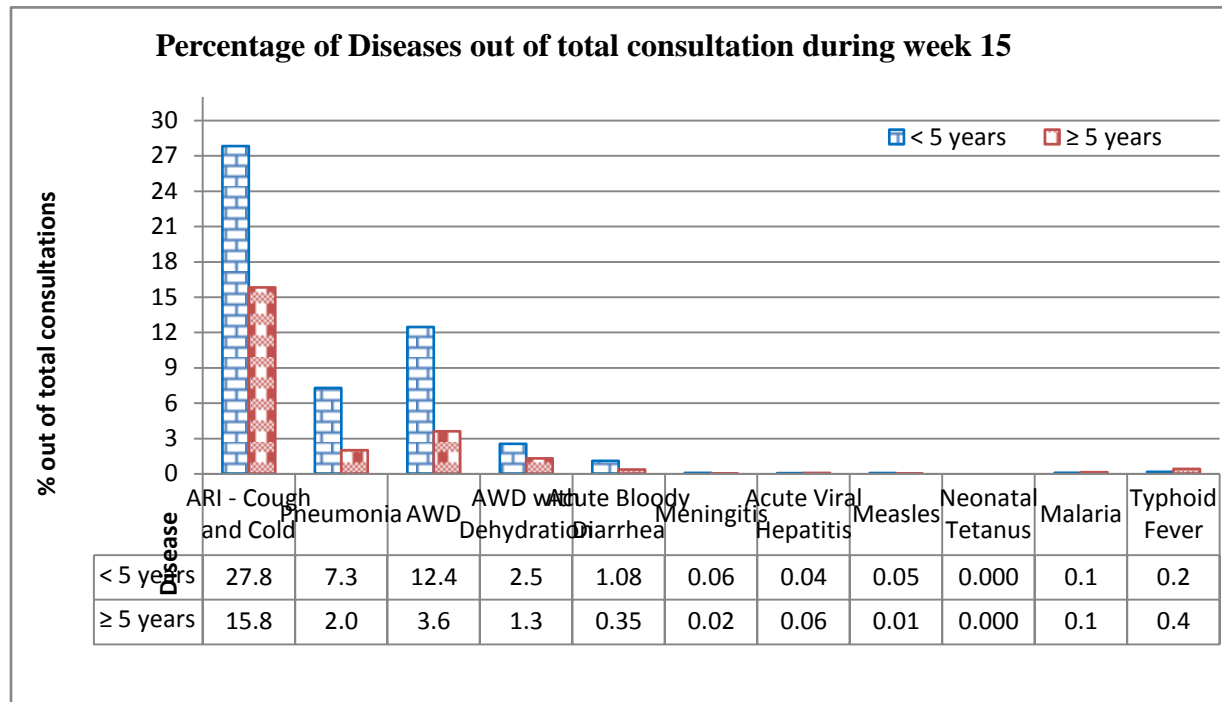
Table 1: Coverage of NDSR Surveillance System

Type of Health Facility	RH/PH	DH	CHC/BHC	Polyclinic	Private Hospital	Special Hospital	Sub center	Total
Total Health Facilities (HF)	34	80	1,239	1	293	29	UN	1,676
HF covered by NDSR-Plus	32	77	451	1	50	13	25	649

**Indicator – based Surveillance:**

The Indicator-based surveillance component of NDSR reports 15 priority infectious diseases from sentinel sites on weekly bases. The data is compared with previous weeks and corresponding week of previous years and the alert and epidemic threshold is checked to see if disease incidence has crossed these levels and necessary action is initiated.

**Figure 2: NDSR targeted diseases**

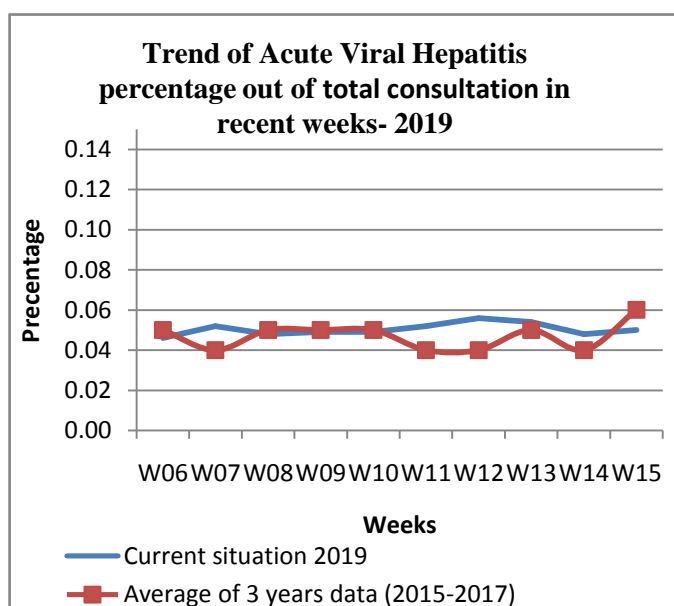
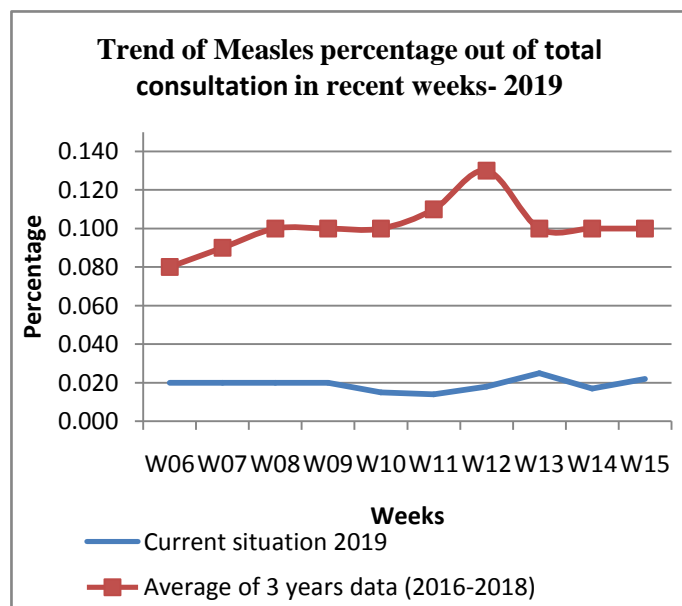
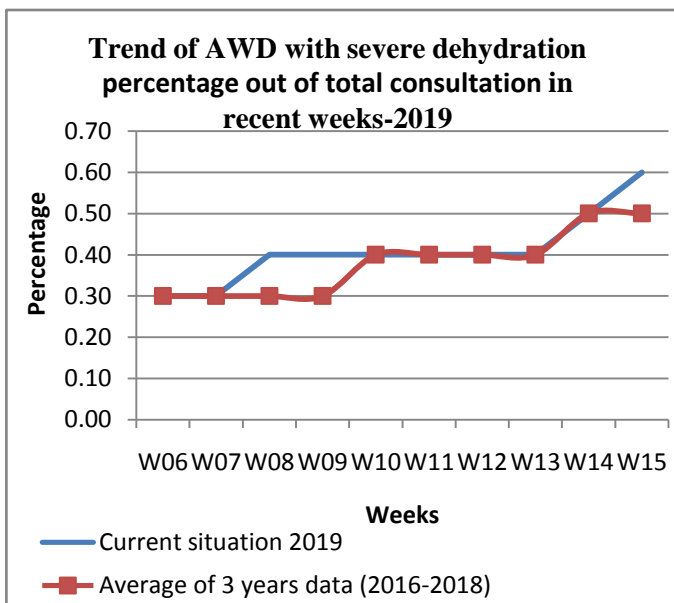
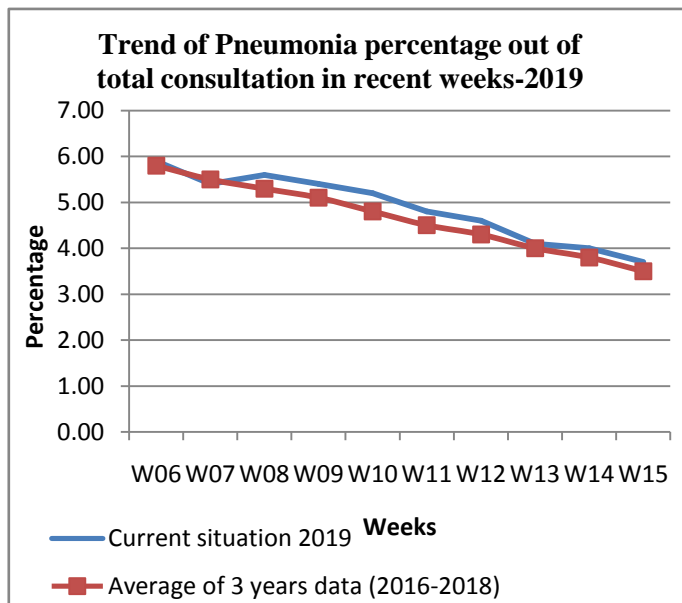


## Vaccine Preventable Diseases (VPDs):

Table 2: Cases and deaths due to VPDs by age group during week 15<sup>th</sup>, 2019

Diseases	Cases			Deaths			CFR/100
	<5 years	≥ 5 years	Total	<5 years	≥ 5 years	Total	
Measles	89	34	123	0	0	0	0.00

### Seasonal Diseases:



During week 15<sup>th</sup> total of 02 outbreaks detected, investigated and responded by NDSR teams and the related stakeholders. The details are as below:

Suspected CCHF Outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
7 April 2019	Kapisa	Nejrab	Pashaee	1	0	45 Y	Jobless	During this week one suspected CCHF case was reported from Kapisa province, had probable contact with animals or the tissues of the animal, case management was done, health education sessions was conducted. Case Fatality rate for CCHF was 0% (per 100) in this week
Suspected Chickenpox Outbreak								
Reported dated	Province	District	Village	Total cases	Total deaths	Age	Occupation	Recommendation/Action take
10 April 2019	Nimroz	Kang	A.Samad	10	45	55	0	In this week one Chickenpox outbreak was reported from Nimroz province, the outbreak was investigated, case management was done for all the cases, and health education session was conducted as well.

Figure 3: Outbreaks investigated during the week 15<sup>th</sup>, 2019

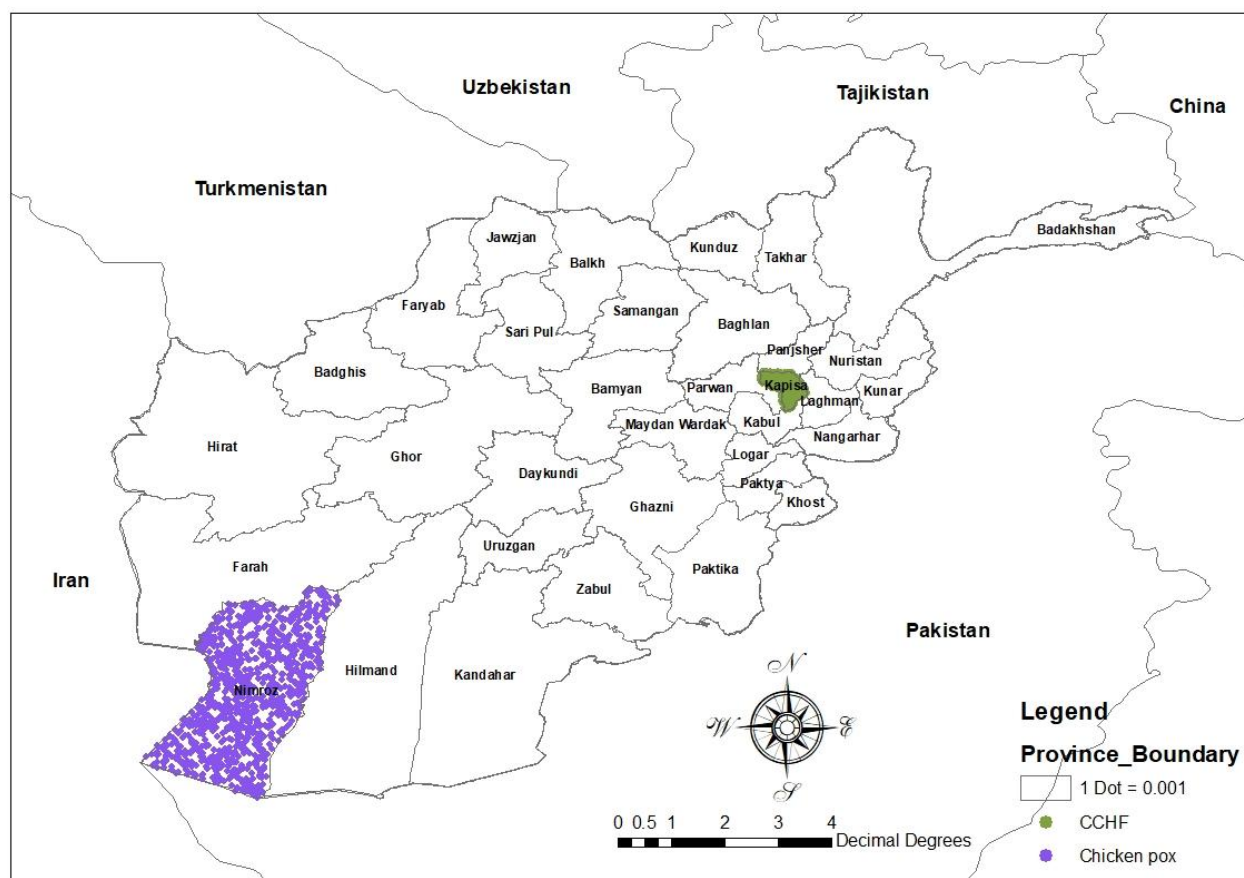


Table 2: Updates on the outbreaks reported during 2019 (30 Dec 2018 to 13 April 2019)

Disease/event	No. of outbreaks	No. of lab-confirmed Outbreaks	No. of cases	No. of deaths
CCHF	18	2	18	2
Measles	14	6	142	0
Chickenpox	7	0	133	0
Dog bites/Suspected Rabies	7	2	47	1
Scabies	4	0	185	0
Leishmaniasis	3	2	85	0
Pertussis	3	0	33	0
Coal Poisoning	2	0	8	2
Acute Viral Hepatitis	1	1	33	0
Unknown Hemorrhagic	1	0	9	1
Pneumonia	1	0	51	3
ARI	1	0	629	0
<b>Grand Total</b>	<b>62</b>	<b>13</b>	<b>1373</b>	<b>9</b>

### **Laboratory surveillance:**

In this week a total of 83 different specimens/samples were received by CPHL, out of which 05 specimens were positive and 18 specimens were negative for Measles, one specimen was positive and one specimen was negative for CCHF and one specimen positive for Rubella while the rest are under process. (Follow up by the CPHL is going on).

### **Influenza Surveillance activity**

In Epidemiologic week 15, 2019, we have received Epidemiological reports from 9 out of 9 sentinel sites. (Kabul, Kapisa, Balkh, Herat, Kandahar, Bamyan, Paktya, Nangarhar, and Baghlan). Out of all new hospital admission, 175(5%) Sever Acute Respiratory Infections cases were reported and 57% of them were among under 5 years old. The proportion of SARI cases was decreased than week 14-2019. There was 1 SARI associated death reported in this week and was among under 2 children.

In EPI week 15, our National Influenza Center (NIC) received 41 SARI and 24 ILI specimens from all 9 surveillance sites.

### **Recommendations:**

The increase in the cases and deaths due to ARI-Pneumonia/SARI and the natural events related deaths are the cause of concern; this should be analyzed further in different levels and appropriate actions to be taken by the concerned departments.